DAAC/ECS STATUS Table for November 12, 1997

Release	DESCRIPTION	Status	Problems/Comments
Pre-Release B Testbed	**HW/SW Installations**	Version 1.4. is here at Langley. The need to install is under evaluation. Toolkit auto build script is now available. Testbed teardown is scheduled for the first week in January 1998.	
	SSI&T	No activity.	
LaTIS	**Definition/ Development**	LARC DAAC/CERES Operation Agreement is finalized. It had been decided that Samantha is a current production machine as Darrin is still under testing and evaluation. Processing of DPREP and Instrument Subsystem through the Product Generation DB is currently being tesed . (Bob Ignacio) The extended 30-Day Test was finally complete. The requested shortnames for all ancillary files have been given to Maria Mitchum. And All patches for Toolkit 5.2 have been installed on LaTIS machines.(Christine Harbison)	
	SSI&T	CERESlib and Subsystem 1.0 were recompiled and retested sucessfully with the new reinstalled Toolkit. The Instrument subsystem along with the new pcf-input-generator and pcf-generator are being promoted to production machine. Production Volume Stress Test of GGEO Main and Post Processor was completed. SSI&T of Subsystems 4.1-4.4 which were delivered Nov 14 is in progress.	
	Other	Awaiting TRMM launch.	

Release	DESCRIPTION	Status	Problems/Comments
Version 2.0 (Release B)	**HW/SW Installations**		
	ESDTS	ECS received the updated CERES ShortName list, baseline metadata and PSA list for LaTIS. Work on updating the EOS-AM ESDT's is ongoing based on these changes. DAAC staff participated in the ESDT Training class in ECS Landover. The purpose was to provide DAAC the capability of adding new ESDT's into the baseline, particularly as new ancillary products.	
	SSI&T	VATC decided to buy ADA 95 compiler. Tom Atwater at VATC and Jill worked on mapping SS#1 files to ESDT's. For SS#11, one main-processor PGE (with GOES-9 input dataset) has run in the B mini-DAAC system and created an output granule. DPR failed at Destage due to known problems, to be fixed in Drop 2 (due in place by Dec 1). Subsystem 1 has run with LaRC-supplied executable to completion with test PCF from command line. Output agreed with expected output. (Jill) Early SSI&T at ECS VATC (Landover) continues with 35 PGE's involving EOS-AM instruments. There is a new version of a browse specification for EOS data products. Users will be able to search and order browse granules Browse formats in image, table and text are described.	
	Other	Updated ECS delivery schedules and capabilities were given to the CERES System Engineering Committee. These are the latest schedules received by the DAAC.	

Status of Release 2 CERES SSIT at the LaRC DAAC (11/24/97)

Subsystem	Delivery Date of accepted delivery	Delivery Content Verified and Accepted	Delivery placed under CM	Compile and link with SCF toolkit	Run test cases with SCF toolkit cmd line	Run test cases using Codine	Production Volume Stress Test	Comments
1.0	06/26/97 08/27/97 10/24/97	06/30/97 08/27/97 10/26/97	07/01/97 08/28/97 10/27/97	07/02/97 08/28/97 10/27/97	07/03/97 08/28/97 10/28/97	07/03/97 08/30/97 10/30/97	08/30/97	
2.0 & 3.0	06/16/97	06/17/97	06/23/97	06/19/97	06/23/97	07/02/97	07/17/97	
4.1-4.4	08/15/97 11/14/97	08/19/97 11/18/97	08/19/97 11/18/97	08/21/97	08/25/97	08/26/97	08/26/97	
4.5-4.6	08/22/97	08/26/97	08/28/97	08/30/97	09/02/97	09/03/97	09/17/97	
5.0	09/11/97	09/12/97	09/15/97	09/16/97	09/16/97	09/17/97	10/30/97	
7.1								
7.2								
8.0								
6.0/9.0								
10.0								
11.0	08/01/97 10/10/97	08/05/97 10/14/97	08/05/97 10/14/97	08/07/97 10/16/97	08/07/97 10/16/97	08/08/97 10/17/97		
12.0	08/01/97	08/05/97	08/06/97	08/05/97	08/06/97	08/08/97	08/08/97	
cereslib	06/17/97 08/01/97+ 10/03/97* 10/31/97-	06/18/97 08/04/97 10/06/97 11/04/97	06/23/97 08/05/97 10/07/97 11/04/97	06/18/97 08/05/97 10/07/97 11/06/97	06/18/97 08/05/97 10/07/97 11/06/97	N/A N/A N/A N/A	N/A N/A N/A N/A	+Delivery for SS 11 * Delivery for TK5.2 - Delivery for SSF

Status of Release 2 CERES SSIT on the ECS Pre-Release B Testbed at the LaRC DAAC (11/24/97)

Subsystem	Delivery Date of accepted delivery	Delivery Content Verified and Accepted	Delivery placed under CM	Compile and link with SCF toolkit	Run test cases with SCF toolkit cmd line	Compile and link with DAAC toolkit	Run test cases with DAAC toolkit cmd line	Register ESDTs and update PDPS with ESDT metadata	Created PGE metadata (PCF info)	Created metadata for input test data	Created Science Software Exec Package	Create DPR and run jobs through PDPS
11.0 (main)	08/01/97	08/08/97	08/11/97	08/11/97	08/11/97	08/12/97	08/12/97	08/13/97	08/15/97	08/18/97	08/19/97	08/29/97*
11.0 (post)	08/01/97	08/08/97	08/11/97	08/11/97	08/11/97	08/12/97	08/12/97	08/13/97	09/19/97	09/19/97	09/19/97	09/19/97
cereslib	08/01/97	08/08/97	08/11/97	08/11/97	08/11/97	08/11/97	08/11/97	N/A	N/A	N/A	N/A	N/A

* NOTE: Testbed Versions 1.2 and 1.3 were installed in September. CERES GGEO_MAIN ran successfully with these versions.
GGEO_POST was not run until after Versions 1.2 and 1.3 were installed and tested.
.

CERES Release 2 DAAC Performance Measurements - 11/24/97

One execution on LaTIS configuration of each PGE at production-level volume expected for TRMM launch.

SS	PGE	Compiler	Test Date	Time,sec			Block Operations		Peak Memory MB	Disk Storage, MB					Runs per Mnth
				Wall	User	System	Input	Output		Input	Temp	Interm	Arch	Logs/QC	
1.0	Instrument	Ada	08/30	13952	13335	424	27397	7428	1320.3	106	0	303	387	0.9	31
2.0	Daily TOA Inversion	SGIF90	07/16	288	276	9	4334	5	3.3	284	284	13	487	.02	31
3.0	Monthly Averaging	SGIF90	07/17	569	400	130	4890	230	15.7	403	410	0	140	1.7	1
4.1/ 4.4	Cloud Retrieval/ Footprint Convolution	SGIF90	08/26	4481	4384	52	3174	13	323.1	312	0	1167	30	36.0	744
4.5	TOA/Surface Fluxes	SGIF90	09/17	162	33	126	52	13	2.9	215	0	0	201	0.08	744
5.0 7.2	Instantaneous SARB Synoptic SARB	SGIF90	10/30	27150	26785	190	3412	4	224.9	247	0	0	253	.001	744
12.0	MOA Regridding	NAG 32bit	08/08	1633	1548	29	35672	29	40.5	709	0	0	319	.001	31
11.0	Grid Geostationary	NAG 32bit	11/11	77816	77137	200	17225	4	25.6	1180	0	178	0	1	4
11.1	Sort GGEO	NAG 32bit	11/21	10732	3484	3040	13820	3	2.5	588	0	0	568	.001	1
9.0	Surface Gridding														
9.1	Sort SFC Files														
12.1	Post-process MOA														
10.0	TOA/SRB Averaging														
6.0	Atmos. Gridding														
6.1	Sort FSW Files														
7.1	Synoptic Interpolate														
8.0	Synoptic Averaging														
	System Total														

System total: multiply each PGE measure by the number of Runs per Data Month for that PGE, then add all PGE's. Some PGE's will require more resources for each instrument on EOS-AM and EOS-PM.